

IN THE CLAIMS:

Kindly cancel Claims 16-31 and 47-88.

Status of CLAIMS

1. A method for identifying a compound capable of modulating a I5E activity, comprising:
 - a. contacting a compound to a cell that expresses a I5E gene;
 - b. measuring the level of I5E gene expression in the cell; and
 - c. comparing the level obtained in (b) to I5E gene expression level obtained in the absence of the compound;such that if the level obtained in (b) differs from that obtained in the absence of the compound, a compound capable of modulating a I5E activity has been identified.
2. The method of Claim 32 wherein the compound increases the level of I5E gene expression.
3. The method of Claim 32 wherein the compound decreases the level of I5E gene expression.
4. The method of Claim 32 in which expression of the I5E gene is detected by measuring I5E mRNA transcripts.
5. The method of Claim 32 in which expression of the I5E gene is detected by measuring I5E gene product.
6. The method of Claim 32 wherein the compound is a small organic molecule.
7. A method for identifying a compound capable of treating an immune, central nervous system or metabolic disorder, comprising:
 - a. contacting a compound to a cell that expresses a I5E gene;
 - b. measuring the level of I5E gene expression in the cell; and
 - c. comparing the level obtained in (b) to I5E gene expression level obtained in the absence of the compound;such that if the level obtained in (b) differs from that obtained in the absence of the compound, a compound capable of treating an immune, central nervous system or metabolic disorder has been identified.

8. The method of Claim 38 wherein the central nervous system disorder is schizophrenia, cognitive disorders multiple sclerosis or depression.
9. The method of Claim 38 wherein the immune disorder is an inflammatory disorder.
10. The method of Claim 38 wherein the metabolic disorder is a body weight disorder.
11. The method of Claim 38 wherein the compound increases the level of I5E gene expression.
12. The method of Claim 38 wherein the compound decreases the level of I5E gene expression.
13. The method of Claim 38 in which expression of the I5E gene is detected by measuring I5E mRNA transcripts.
14. The method of Claim 38 in which expression of the I5E gene is detected by measuring I5E gene product.
15. The method of Claim 38 in which the compound is a small organic molecule.